AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended) A package, comprising:

a material forming the package, the material being integral to the package and including an unlabelled region, and ~~including~~

a mark for identification of the package, wherein the mark comprises a non-predetermined random identifier comprising at least one integral feature of the material forming the package, wherein the non-predetermined random identifier is peculiar to ~~and integral to~~ the material, and is located in the unlabelled region of the material ~~package itself~~.

Claim 2. (Canceled)

Claim 3. (Previously Presented) The package according to claim 1, wherein the random identifier comprises a part of a design of the package.

Claim 4. (Previously Presented) The package according to claim 1, wherein the random identifier comprises at least one random pattern.

Claim 5. (Previously Presented) The package according to claim 4, wherein the random pattern comprises a distribution of luminophores.

Claim 6. (Previously Presented) The package according to claim 4, further comprising a marking generated based on the random pattern and arranged on the package.

Claim 7. (Previously Presented) The package according to claim 5, wherein the distribution of luminophores is detectable and is at least one of filed or deposited as an optionally coded marking in at least one of a data bank or print on the package.

Claim 8. (Previously Presented) The package according to claim 6, further comprising a

code applied to the package.

Claim 9. (Previously Presented) The package according to claim 8, wherein the code includes a serial number and is in a predetermined and reproducible relationship to the mark.

Claim 10. (Previously Presented) The package according to claim 8, wherein the code and the mark are in correlation with each other.

Claim 11. (Previously Presented) The package according to claim 10, wherein the correlation is formed by storage.

Claim 12. (Previously Presented) The package according to claim 10, wherein the correlation is formed by a coding function.

Claim 13. (Canceled)

Claim 14. (Previously Presented) The package according to claim 1, wherein the random identifier is arranged on the whole package or in a predefined region of the package.

Claim 15. (Previously Presented) The package according to claim 8, wherein the package further comprises at least one of a primary packaging, or a secondary packaging, or a tertiary packaging.

Claim 16. (Previously Presented) The package according to claim 15, wherein at least one of the mark, the code or the marking is visibly arranged on at least one of the primary packaging, the secondary packaging, or the tertiary packaging.

Claim 17. (Previously Presented) The package according to claim 16, wherein the marking is arranged on the secondary packaging, the marking being designed as a link number,

wherein the link number is generated from at least one of the mark, the code, or the marking arranged on the primary packaging.

Claim 18. (Currently Amended) The package according to claim 4, wherein the random pattern comprises at least one of a gap width, an overlap region, a contact region of joint surfaces, a joint seam, a wave pattern of a joint seam, or folds~~, or cut edges~~ of the material of the package.

Claim 19. (Currently Amended) A method of creating a marking for a package provided with a mark, comprising the steps of:

detecting a mark comprising a non-predetermined random identifier located on an unlabelled region of a material that forms the package and is integral to the package, the non-predetermined random identifier comprising at least one integral feature of the material, wherein the non-predetermined random identifier is peculiar to the material, ~~and integral to the package itself as the mark,~~

converting the non-predetermined random identifier to the marking, and

depositing the marking as at least one of a data record in a data bank or a print on the package.

Claim 20. (Previously Presented) The method according to claim 19, further comprising:

providing the package with a random pattern as the random identifier, the random pattern including a distribution of luminophores.

Claim 21. (Previously Presented) The method according to claim 19, wherein the converting step comprises performing a suitable mathematical function.

Claim 22. (Previously Presented) The method according to claim 19, wherein the

depositing step comprises coding the marking before printing on the package or before filing in the data bank.

Claim 23. (Previously Presented) The method according to claim 19, wherein the marking is deposited in the data bank, and further comprising compressing the marking before filing in the data bank.

Claim 24. (Previously Presented) The method according to claim 19, wherein the detecting step comprises optically detecting the random identifier.

Claim 25. (Previously Presented) The method according to claim 20, further comprising:

numerically coding the random distribution of luminophores, the luminophores being visible with UV light, and

storing the numerically coded luminophores as the random identifier.

Claim 26. (Previously Presented) The method according to claim 19, further comprising providing the package with a code.

Claim 27. (Previously Presented) The method according to claim 26, further comprising:

combining the code and the marking into a data pair, wherein at least two of the code, the mark and the marking have a predetermined, reproducible reference relationship to each other.

Claim 28. (Previously Presented) The method according to claim 27, further comprising:

correlating the marking and the code with each other in the data pair, and

filing the data pair in the data bank.

Claim 29. (Previously Presented) The method according to claim 26, wherein at least one of the code, the mark, or the marking is applied or attached to the package either on-line or off-line.

Claim 30. (Previously Presented) The method according to claim 26, wherein the package comprises at least one of a primary packaging, a secondary packaging, or a tertiary packaging; and at least one of the code, the mark, or the marking is applied or attached to at least one of the primary packaging, the secondary packaging, or the tertiary packaging.

Claim 31. (Currently Amended) A method for the identification of a package provided with a mark located on an unlabelled region of a material that forms the package and is integral to the package, the mark comprising a non-predetermined random identifier that comprises at least one integral feature of the material, wherein the non-predetermined random identifier is peculiar to the material ~~and integral to the package itself~~, and wherein a marking, which is a function of the mark, is printed on the package or filed as a data record in a data bank, the method comprising steps of:

detecting the random identifier,

converting the random identifier to an associated marking, and

aligning the associated marking with the print of the marking on the package, or the data record of the marking filed in the data bank.

Claim 32. (Previously Presented) The method according to claim 31, wherein the detecting includes:

rendering the random identifier visible by irradiation with light in the ultraviolet spectral range; and

optically detecting the random identifier.

Claim 33. (Previously Presented) The method according to claim 31, wherein the converting step comprises performing a suitable mathematical function.

Claim 34. (Previously Presented) The method according to claim 31, wherein:

the detecting step comprises scanning the random identifier to obtain identifier information,

the converting step comprises determining the associated marking from the scanned identifier information, and

the aligning step comprises comparing the associated marking with the marking.

Claim 35. (Previously Presented) The method according to claim 31, further comprising detecting a code arranged on the package.

Claim 36. (Previously Presented) The method according to claim 35, further comprising:

forming an associated data pair comprising the detected code and the associated marking, and

comparing the associated data pair with a data pair comprising the code and the marking previously filed in the data bank.

Claim 37. (Currently Amended) A device for creating a marking for a package provided with a mark located on an unlabelled region of a material that forms the package and is integral to the package, comprising:

means for detecting the mark, the mark comprising at least one non-predetermined random identifier comprising at least one integral feature of the material, wherein the non-predetermined random identifier is peculiar to the material, ~~and integral to the package itself as the mark,~~

means for generating and displaying or outputting the marking based on the random identifier, and

means for at least one of filing or depositing the marking.

Claim 38. (Previously Presented) The device according to claim 37, further comprising means for providing the package with the random identifier.

Claim 39. (Previously Presented) The device according to claim 37, wherein the means for at least one of filing or depositing comprises at least one of a printer or a data bank.

Claim 40. (Previously Presented) The device according to claim 39, further comprising means for applying a code.

Claim 41. (Previously Presented) The device according to claim 40, further comprising means for coding the marking to obtain the code.

Claim 42. (Previously Presented) The device according to claim 41, wherein the means for detecting, the means for generating and displaying or outputting the marking, the means for coding and the means for at least one of depositing or filing, are operatively linked together.

Claim 43. (Currently Amended) A device for the identification of a package including a mark located on an unlabelled region of a material that forms the package and is integral to the package, the mark comprising a non-predetermined random identifier that comprises at least one integral feature of the material, wherein the non-predetermined random identifier is peculiar to the material ~~and integral to the package itself~~, and wherein a marking is created that is a function of the non-predetermined random identifier, the device comprising:

means for detecting the random identifier peculiar to the package itself, and

means for generating and displaying or outputting an associated marking based on the random identifier, wherein the associated marking is associated with the marking created as a function of the non-predetermined random identifier.

Claim 44. (Previously Presented) The device according to claim 43, wherein the means for detecting is operative to emit UV light and pick up information from the random identifier

which is rendered visible.

Claim 45. (Previously Presented) The device according to claim 43, wherein the means for detecting is further operative to detect information relating to the marking and a code located on the package.

Claim 46. (Previously Presented) The device according to claim 43, wherein the means for generating and displaying or outputting is operative to carry out a mathematical function to convert the random identifier to the associated marking.

Claim 47. (Previously Presented) The device according to claim 43, further comprising means for decoding the marking.

Claim 48. (Previously Presented) The device according to claim 47, wherein the means for detecting, the means for generating and displaying or outputting, and the means for decoding are coupled to a data bank.

Claim 49. (Previously Presented) The device according to claim 48, wherein the means for detecting, the means for generating and displaying or outputting, the data bank, and the means for decoding are operatively linked to each other.

Claim 50. (Previously Presented) A mobile hand-held device comprising the device according to claim 43.